MD 22 IS ASSUMED TO RUN
IN AN EAST-WEST DIRECTION

PROPOSED VIDEO DETECTION CAMERA

a, b, c

EXISTING SIGN TO BE REMOVED

8A — LEFT TURN YIELD ON GREEN

EXISTING SIGNALS TO BE REMOVED

1A, 2A, 5A–7A — 12"

3A — 12"/8"

4A — 12"

PROPOSED SIGNALS

1, 2, 5–7 — 12" L.E.D.

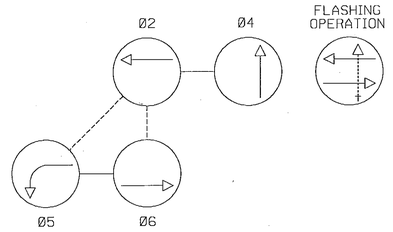
3 — 12"/8" L.E.D.

4 — 12" L.E.D.

VIDEO ZONE DETECTION

a

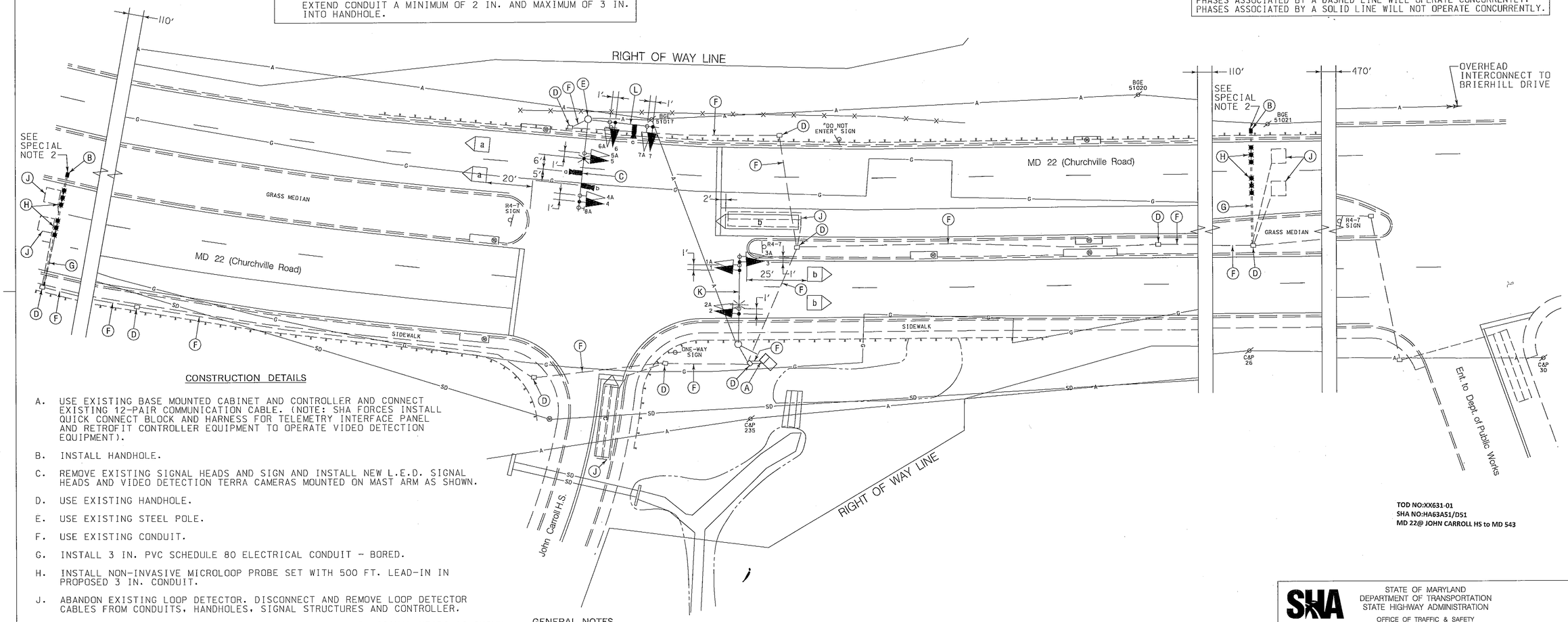
NEMA PHASING



NOTE:
PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.
PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.

SPECIAL NOTES:

1. DISCONNECT EXISTING ELECTRICAL CABLE FROM EXISTING SIGNAL HEADS TO BE REMOVED AND RE-CONNECT TO PROPOSED SIGNAL HEADS. ANY SIGNAL OUTAGE SHALL BE SCHEDULED DURING NON-PEAK HOURS AS DIRECTED BY THE ENGINEER.
2. INSTALL HANDHOLE WITH LONG DIMENSION PERPENDICULAR TO TRAVEL WAY FOR INSTALLATION OF NON-INVASIVE PROBES. EXTEND CONDUIT A MINIMUM OF 2 IN. AND MAXIMUM OF 3 IN. INTO HANDHOLE.



CONSTRUCTION DETAILS

A. USE EXISTING BASE MOUNTED CABINET AND CONTROLLER AND CONNECT EXISTING 12-PAIR COMMUNICATION CABLE. (NOTE: SHA FORCES INSTALL QUICK CONNECT BLOCK AND HARNESS FOR TELEMETRY INTERFACE PANEL AND RETROFIT CONTROLLER EQUIPMENT TO OPERATE VIDEO DETECTION EQUIPMENT).

B. INSTALL HANDHOLE.

C. REMOVE EXISTING SIGNAL HEADS AND SIGN AND INSTALL NEW L.E.D. SIGNAL HEADS AND VIDEO DETECTION TERRA CAMERAS MOUNTED ON MAST ARM AS SHOWN.

D. USE EXISTING HANDHOLE.

E. USE EXISTING STEEL POLE.

F. USE EXISTING CONDUIT.

G. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - BORED.

H. INSTALL NON-INVASIVE MICROLOOP PROBE SET WITH 500 FT. LEAD-IN IN PROPOSED 3 IN. CONDUIT.

J. ABANDON EXISTING LOOP DETECTOR. DISCONNECT AND REMOVE LOOP DETECTOR CABLES FROM CONDUITS, HANDHOLES, SIGNAL STRUCTURES AND CONTROLLER.

K. REMOVE EXISTING SIGNAL HEADS AND INSTALL NEW L.E.D. SIGNAL HEADS AS SHOWN.

L. REMOVE EXISTING SIGNAL HEADS AND INSTALL NEW L.E.D. SIGNAL HEADS AND VIDEO DETECTION TERRA CAMERA MOUNTED ON MAST ARM AS SHOWN.

GENERAL NOTES

1. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE NEW SIGNAL.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.
3. VIDEO CAMERA LOCATION / ALIGNING SHALL BE COORDINATED WITH THE SHA ENGINEER.
4. THE CONTRACTOR SHALL VERIFY ALL UNDERGROUND UTILITIES PRIOR TO INSTALLING PROPOSED SIGNAL EQUIPMENT. IF ANY UTILITY CONFLICTS SHOULD ARISE THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER.
5. ALL HANDHOLES SHALL BE INSTALLED AT FINAL GRADE.
6. REMOVE AND DISPOSE OF ALL UNUSED SIGNAL CABLE.

WR&A
Whitman, Requardt and Associates, LLP
Engineers, Architects and Planners
801 South Caroline Street
Baltimore, Maryland 21231
410-235-3450

BY: sbloss

GEOMETRIC LEGEND
EXISTING
PROPOSED

UTILITY LEGEND
SD — STORM DRAIN
G — GAS MAIN
W — WATER MAIN
S — SEWER MAIN
E — ELECTRIC CABLES
A — AERIAL CABLES
T — TELEPHONE CABLES
F — FIBER-OPTIC

APPROVALS
TEAM LEADER
ASST. DIV. CHIEF
DIVISION CHIEF
OFFICE DIRECTOR
ORIGINAL ON FILE

REVISIONS
(F) UPGRADE SIGNAL HEADS TO LED AND CONNECTED INTERCONNECT 3/16/2009 SHA. NO. XX6315105 TIMS NO. G780
SRB | NML | 1/32
(E) ADDED LOOP DET. AT BEL AIR DEPT. OF PUBLIC WORKS AND INTERCONNECT SHA. NO. H656-602-471 07/1994
WA | BT | ETP | TH
(D) AS BUILT
4/1992
WM

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

MD 22 (Churchville Road) and John Carroll High School
Churchville, MD

TRAFFIC SIGNALIZATION PLAN

SCALE 1" = 20' ADVERTISED DATE 9/25/1978 CONTRACT NO. H-782-501-485

DESIGNED BY Bruce Thompson
DRAWN BY Bruce Thompson
CHECKED BY D. Zafiris
F.A.P. NO. SEE TITLE SHEET
COUNTY HARFORD
LOGMILE 12002200.76
TIMS NO. G780
TOD NO.

TS NO. 1624 F | DRAWING TSP-1 OF 12 | SHEET NO. 1 OF 12

PLOTTED: 03-23-2009
FILE: n:\3\566-157\CADD\pSG-P001_md22.dgn

TOD NO:XX631-01
SHA NO:HA63A51/D51
MD 22@ JOHN CARROLL HS to MD 543